

SEP. 27. 2001 4:08PM

NO.1968 P. 5

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PROVISIONAL PRIORITY

Approved for use through 1993-2002, GPO: 0951-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

## DECLARATION—Utility or Design Patent Application

Direct all correspondence to:	<input checked="" type="checkbox"/> Customer Number/ Fax/Email Address	20850	<input type="checkbox"/> Correspondence address below
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Name

Address

Address

City State ZIP

Country Telephone FAX

I hereby declare that all statements made in this application are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that such false statements and the like can make me punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))	ANSARI
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Inventor's Signature	ANSARI	Date
-------------------------	--------	------

Home Park Rancho Palos Verdes, CA	CA State	CA ZIP	US Country
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68 Princeton Road Mailing Address	CA State	90270 ZIP	US COUNTRY
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NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))	PRICKETT
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Inventor's Signature	PRICKETT	Date
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40351 Imperial Place Mailing Address	CA State	CA ZIP	US COUNTRY
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Fronton City	CA State	94030 ZIP	US COUNTRY
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Additional inventors are being named on the 1 supplemental (or subsequent) sheet(s) PTO/SB/02A attached hereto.

(Page 2 of 1)

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09/09/2001 11:29:01

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PTO/SB/01 (03-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration  
Submitted  
With Initial  
Filing

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16(e))  
required)

OR

Attorney Docket Number 19730-000110US

First Named Inventor ANSARI, Zahid

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ANSARI, Zahid

PRICKETT, Bruce L.

GUY, Jonathan Andrew

METHOD AND APPARATUS FOR  
PROVIDING PULSE WIDTH MODULATION (Title of the Invention)  
the specification of which

Is attached hereto

OR

was filed on (MM/DD/YYYY)

28/03/2000

as United States Application Number or PCT International

Application Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 3]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SEP. 27. 2001 4:

NO. 1968 P. 6

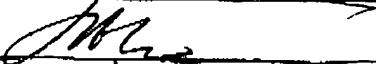
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## DECLARATION

ADDITIONAL INVENTOR(B)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle if any)		Family Name or Surname		
Jonathan Andrew		GUY		
Inventor's Signature 		Date 9-28-01		
Residence: City	Austin	State	TX	Country
Residence: City	Austin	State	TX	Country
Mailing Address	4444 Brumner Drive TX			
City	Austin	State	TX	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle if any)		Family Name or Surname		
Inventor's Signature		Date		
Residence: City	State	Country	Citizenship	
Mailing Address				
Mailing Address				
City	State	ZIP	Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle if any)		Family Name or Surname		
Inventor's Signature		Date		
Residence: City	State	Country	Citizenship	
Mailing Address				
Mailing Address				
City	State	ZIP	Country	

**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

#2 Power of Attorney  
9/11-802  
C. MoorePlease type a plus sign (+) inside this box → 

PTO/SB/61 (02-01)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	ANSARI, Zahid
Title	METHOD AND APPARATUS FOR PROVIDING PULSE WIDTH MODULATION
Group Art Unit	
Examiner Name	
Attorney Docket Number	19730-000110US

I hereby appoint:

 Practitioners at Customer Number

OR

 Practitioner(s) named below:

20350

Place Customer  
Number Bar Code  
Label here

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

 Practitioners at Customer Number Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

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I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

## SIGNATURE of Applicant or Assignee of Record

Name Bala Padmakumar as President of Anacon Systems, Inc.

Signature 

Date 9/27/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 \*Total of 2 forms are submitted.

**Burden Hour Statement:** This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/96 (08-01)  
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Attorney Docket No. 19730-000110

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TECHNOLOGY CENTER 2800  
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MAR - 1 2002RECEIVED  
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TECHNOLOGY CENTER 2800**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: ANSARI, et al./Anacon Systems, Inc.

Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_

Entitled: METHOD AND APPARATUS FOR PROVIDING PULSE WIDTH MODULATIONAnacon Systems, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

9/27/01

Date



Signature

Bala Padmakumar

Typed or printed name

President

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Rec'd PCT/PTO 28 NOV 2001  
09/937680

Attorney Docket No.: 19730-000110US

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Zahid Ansari, of 85 Princeton Road, Menlo Park, CA 94025, Bruce L. Prickett, of 40351 Imperio Place, Fremont, CA 94539, Jonathan A. Guy, of 4444 Bremner Drive, Austin, TX 78749, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Method and Apparatus for Providing Pulse Width Modulation

Date(s) of execution of Declaration:

Filing Date:

Application No.: ; and

WHEREAS, Anacon Systems, Inc., located at 1043 Shoreline Boulevard, Suite 202, Mountain View, CA, 94043, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number, date(s) of execution of Declaration and filing date of said application when known.

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Assignment  
Attorney Docket No.: 19730-000110US  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 5<sup>th</sup> June 2001

Zahid Ansari  
Zahid Ansari

ATM  
ENGLAND AND  
STATE OF ~~GLoucester~~ )  
COUNTY OF ~~Cambridge~~ )  
ss.

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OCT - 9 2001

On 5<sup>th</sup> JUNE 2001, before me, ALAN PAUL L., personally appeared Zahid Ansari, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**ALAN PAUL HUSKINSON**  
NOTARY PUBLIC  
ST. ANDREWS HOUSE  
59 ST. ANDREWS STREET  
CAMBRIDGE  
CB2 3DD

Paul Huskinson  
NOTARY PUBLIC

My Commission Expires: ON DEATH

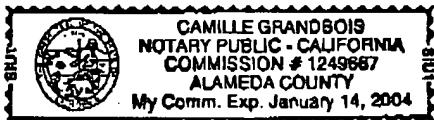
Dated: 7/26/01

STATE OF California )  
COUNTY OF Alameda )  
ss.

Bruce L. Prickett  
Bruce L. Prickett

On July 26, 2001, before me, C. GRANBOIS, NOTARY, personally appeared Bruce L. Prickett, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

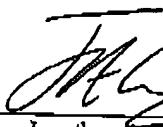


Camille Grandbois  
NOTARY PUBLIC

My Commission Expires: Jan. 14, 2004

Assignment  
Attorney Docket No.: 19730-000110US  
Page 3

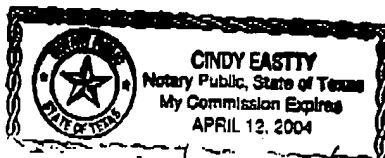
Dated: 8-10-00

  
Jonathan A. Guy

STATE OF Texas )  
COUNTY OF Travis ) ss.

On 8.10.2000, before me, Cindy Eastty, personally appeared Jonathan A. Guy, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



My Commission Expires: 4.12.2004

Cindy Eastty  
NOTARY PUBLIC

Atty. Docket No. 019730-000110US

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS (37 CFR 1.9(f) and 1.27(b)) - NON-INVENTORApplicant or Patentee: ANSARI, et al./Anacon Systems, Inc.

Application or Patent No.: \_\_\_\_\_

Filed or Issued: \_\_\_\_\_

Title: METHOD AND APPARATUS FOR PROVIDING PULSE WIDTH MODULATION

I hereby declare that I am making this verified statement to support a claim by Anacon Systems, Inc. for small entity status for purposes of paying reduced fees to the United States Patent and Trademark Office, regarding the invention described in:

the specification filed herewith with title as listed above.  
 the application identified above.  
 the patent identified above.

I hereby declare that I would qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying fees to the United States Patent and Trademark Office, if I had made the above-identified invention.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below.\*

No such person, concern, or organization  
 Persons, concerns or organizations listed below\*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention according to their status as small entities. (37 CFR 1.27)

Name \_\_\_\_\_  
 Address \_\_\_\_\_

Individual  Small Business Concern  Nonprofit Organization

Name \_\_\_\_\_  
 Address \_\_\_\_\_

Individual  Small Business Concern  Nonprofit Organization

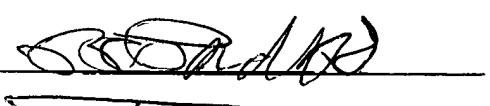
Name \_\_\_\_\_  
 Address \_\_\_\_\_

Individual  Small Business Concern  Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Bala Padmakumar  
 Title of Person if Other than Owner: President  
 Address of Person Signing: 1043 Shoreline Boulevard, Suite 202, Mountain View, CA 94303

SIGNATURE DATE 9/27/01